

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 101531,556A  
Source: PCT  
Date Processed by STIC: 3/16/06

***ENTERED***



PCT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/531,556A

DATE: 03/16/2006  
TIME: 11:47:17

Input Set : E:\BOHMAN150Sequence.txt  
Output Set: N:\CRF4\03162006\J531556A.raw

3 <110> APPLICANT: Sloning Biotechnology GmbH  
5 <120> TITLE OF INVENTION: Method for the manufacture of nucleic acid molecules  
7 <130> FILE REFERENCE: S 10010 PCT  
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/531,556A  
C--> 10 <141> CURRENT FILING DATE: 2005-04-14  
12 <160> NUMBER OF SEQ ID NOS: 61  
14 <170> SOFTWARE: PatentIn version 3.1  
16 <210> SEQ ID NO: 1  
17 <211> LENGTH: 11  
18 <212> TYPE: DNA  
19 <213> ORGANISM: Artificial Sequence  
21 <220> FEATURE:  
22 <223> OTHER INFORMATION: Synthetic  
24 <220> FEATURE:  
25 <221> NAME/KEY: misc\_feature  
26 <222> LOCATION: (7)..(11)  
27 <223> OTHER INFORMATION: any nucleotide  
30 <400> SEQUENCE: 1  
W--> 31 cgtctcnnnn n 11  
34 <210> SEQ ID NO: 2  
35 <211> LENGTH: 11  
36 <212> TYPE: DNA  
37 <213> ORGANISM: Artificial Sequence  
39 <220> FEATURE:  
40 <223> OTHER INFORMATION: Synthetic  
42 <220> FEATURE:  
43 <221> NAME/KEY: misc\_feature  
44 <222> LOCATION: (7)..(11)  
45 <223> OTHER INFORMATION: any nucleotide  
48 <400> SEQUENCE: 2  
W--> 49 ggtctcnnnn n 11  
52 <210> SEQ ID NO: 3  
53 <211> LENGTH: 12  
54 <212> TYPE: DNA  
55 <213> ORGANISM: Artificial Sequence  
57 <220> FEATURE:  
58 <223> OTHER INFORMATION: Synthetic  
60 <220> FEATURE:  
61 <221> NAME/KEY: misc\_feature  
62 <222> LOCATION: (7)..(12)  
63 <223> OTHER INFORMATION: any nucleotide  
66 <400> SEQUENCE: 3  
W--> 67 gaagacnnnn nn 12

(Pg. 6)

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 PATENT APPLICATION: US/10/531,556A TIME: 11:47:17

Input Set : E:\BOHMAN150Sequence.txt  
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70 <210> SEQ ID NO: 4  
 71 <211> LENGTH: 14  
 72 <212> TYPE: DNA  
 73 <213> ORGANISM: Artificial Sequence  
 75 <220> FEATURE:  
 76 <223> OTHER INFORMATION: Synthetic  
 78 <220> FEATURE:  
 79 <221> NAME/KEY: misc\_feature  
 80 <222> LOCATION: (7)..(14)  
 81 <223> OTHER INFORMATION: any nucleotide  
 84 <400> SEQUENCE: 4  
**W--> 85 acctgcnnnn nnnn** 14  
 88 <210> SEQ ID NO: 5  
 89 <211> LENGTH: 8  
 90 <212> TYPE: DNA  
 91 <213> ORGANISM: Artificial Sequence  
 93 <220> FEATURE:  
 94 <223> OTHER INFORMATION: Synthetic  
 96 <220> FEATURE:  
 97 <221> NAME/KEY: misc\_feature  
 98 <222> LOCATION: (7)..(8)  
 99 <223> OTHER INFORMATION: any nucleotide  
 102 <400> SEQUENCE: 5  
**W--> 103 gcagtgnn** 8  
 106 <210> SEQ ID NO: 6  
 107 <211> LENGTH: 8  
 108 <212> TYPE: DNA  
 109 <213> ORGANISM: Artificial Sequence  
 111 <220> FEATURE:  
 112 <223> OTHER INFORMATION: Synthetic  
 114 <220> FEATURE:  
 115 <221> NAME/KEY: misc\_feature  
 116 <222> LOCATION: (7)..(8)  
 117 <223> OTHER INFORMATION: any nucleotide  
 120 <400> SEQUENCE: 6  
**W--> 121 gcaatgnn** 8  
 124 <210> SEQ ID NO: 7  
 125 <211> LENGTH: 12  
 126 <212> TYPE: DNA  
 127 <213> ORGANISM: Artificial Sequence  
 129 <220> FEATURE:  
 130 <223> OTHER INFORMATION: Synthetic  
 132 <220> FEATURE:  
 133 <221> NAME/KEY: misc\_feature  
 134 <222> LOCATION: (7)..(12)  
 135 <223> OTHER INFORMATION: any nucleotide  
 138 <400> SEQUENCE: 7  
**W--> 139 gtatccnnnn nn** 12  
 142 <210> SEQ ID NO: 8

## RAW SEQUENCE LISTING

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Input Set : E:\BOHMAN150Sequence.txt  
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143 <211> LENGTH: 11  
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 150 <220> FEATURE:  
 151 <221> NAME/KEY: misc\_feature  
 152 <222> LOCATION: (7)..(11)  
 153 <223> OTHER INFORMATION: any nucleotide  
 156 <400> SEQUENCE: 8  
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 160 <210> SEQ ID NO: 9  
 161 <211> LENGTH: 17  
 162 <212> TYPE: DNA  
 163 <213> ORGANISM: Artificial Sequence  
 165 <220> FEATURE:  
 166 <223> OTHER INFORMATION: Synthetic  
 168 <220> FEATURE:  
 169 <221> NAME/KEY: misc\_feature  
 170 <222> LOCATION: (7)..(17)  
 171 <223> OTHER INFORMATION: any nucleotide  
 174 <400> SEQUENCE: 9  
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 178 <210> SEQ ID NO: 10  
 179 <211> LENGTH: 16  
 180 <212> TYPE: DNA  
 181 <213> ORGANISM: Artificial Sequence  
 183 <220> FEATURE:  
 184 <223> OTHER INFORMATION: Synthetic  
 186 <220> FEATURE:  
 187 <221> NAME/KEY: misc\_feature  
 188 <222> LOCATION: (7)..(16)  
 189 <223> OTHER INFORMATION: any nucleotide  
 192 <400> SEQUENCE: 10  
 W--> 193 gaggaggnnn nnnnnn 16  
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 198 <212> TYPE: DNA  
 199 <213> ORGANISM: Artificial Sequence  
 201 <220> FEATURE:  
 202 <223> OTHER INFORMATION: Synthetic  
 204 <220> FEATURE:  
 205 <221> NAME/KEY: misc\_feature  
 206 <222> LOCATION: (8)..(15)  
 207 <223> OTHER INFORMATION: any nucleotide  
 210 <400> SEQUENCE: 11  
 W--> 211 cacctgcnnn nnnnn 15  
 214 <210> SEQ ID NO: 12  
 215 <211> LENGTH: 17

## RAW SEQUENCE LISTING

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Input Set : E:\BOHMAN150Sequence.txt  
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216 <212> TYPE: DNA  
 217 <213> ORGANISM: Artificial Sequence  
 219 <220> FEATURE:  
 220 <223> OTHER INFORMATION: Synthetic  
 223 <220> FEATURE:  
 224 <221> NAME/KEY: misc\_feature  
 225 <222> LOCATION: (7)..(17)  
 226 <223> OTHER INFORMATION: any nucleotide  
 229 <400> SEQUENCE: 12  
 W--> 230 cagctcnnnn nnnnnnn 17  
 233 <210> SEQ ID NO: 13  
 234 <211> LENGTH: 11  
 235 <212> TYPE: DNA  
 236 <213> ORGANISM: Artificial Sequence  
 238 <220> FEATURE:  
 239 <223> OTHER INFORMATION: Synthetic  
 241 <220> FEATURE:  
 242 <221> NAME/KEY: misc\_feature  
 243 <222> LOCATION: (8)..(11)  
 244 <223> OTHER INFORMATION: any nucleotide  
 247 <400> SEQUENCE: 13  
 W--> 248 gctcttcnnnn n 11  
 251 <210> SEQ ID NO: 14  
 252 <211> LENGTH: 10  
 253 <212> TYPE: DNA  
 254 <213> ORGANISM: Artificial Sequence  
 256 <220> FEATURE:  
 257 <223> OTHER INFORMATION: Synthetic  
 259 <220> FEATURE:  
 260 <221> NAME/KEY: misc\_feature  
 261 <222> LOCATION: (7)..(10)  
 262 <223> OTHER INFORMATION: any nucleotide  
 265 <400> SEQUENCE: 14  
 W--> 266 ctcttcnnnn 10  
 269 <210> SEQ ID NO: 15  
 270 <211> LENGTH: 11  
 271 <212> TYPE: DNA  
 272 <213> ORGANISM: Artificial Sequence  
 274 <220> FEATURE:  
 275 <223> OTHER INFORMATION: Synthetic  
 277 <220> FEATURE:  
 278 <221> NAME/KEY: misc\_feature  
 279 <222> LOCATION: (7)..(11)  
 280 <223> OTHER INFORMATION: any nucleotide  
 283 <400> SEQUENCE: 15  
 W--> 284 ggtctcnnnn n 11  
 287 <210> SEQ ID NO: 16  
 288 <211> LENGTH: 11  
 289 <212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 03/16/2006  
 PATENT APPLICATION: US/10/531,556A TIME: 11:47:17

Input Set : E:\BOHMAN150Sequence.txt  
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290 <213> ORGANISM: Artificial Sequence  
 292 <220> FEATURE:  
 293 <223> OTHER INFORMATION: Synthetic  
 295 <220> FEATURE:  
 296 <221> NAME/KEY: misc\_feature  
 297 <222> LOCATION: (7)..(11)  
 298 <223> OTHER INFORMATION: any nucleotide  
 301 <400> SEQUENCE: 16  
 W--> 302 cgtctcnnnn n 11  
 305 <210> SEQ ID NO: 17  
 306 <211> LENGTH: 14  
 307 <212> TYPE: DNA  
 308 <213> ORGANISM: Artificial Sequence  
 310 <220> FEATURE:  
 311 <223> OTHER INFORMATION: Synthetic  
 313 <220> FEATURE:  
 314 <221> NAME/KEY: misc\_feature  
 315 <222> LOCATION: (7)..(14)  
 316 <223> OTHER INFORMATION: any nucleotide  
 319 <400> SEQUENCE: 17  
 W--> 320 acctgcnnnn nnnn 14  
 323 <210> SEQ ID NO: 18  
 324 <211> LENGTH: 12  
 325 <212> TYPE: DNA  
 326 <213> ORGANISM: Artificial Sequence  
 328 <220> FEATURE:  
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 331 <220> FEATURE:  
 332 <221> NAME/KEY: misc\_feature  
 333 <222> LOCATION: (7)..(12)  
 334 <223> OTHER INFORMATION: any nucleotide  
 337 <400> SEQUENCE: 18  
 W--> 338 gaagacnnnn nn 12  
 341 <210> SEQ ID NO: 19  
 342 <211> LENGTH: 8  
 343 <212> TYPE: DNA  
 344 <213> ORGANISM: Artificial Sequence  
 346 <220> FEATURE:  
 347 <223> OTHER INFORMATION: Synthetic  
 349 <220> FEATURE:  
 350 <221> NAME/KEY: misc\_feature  
 351 <222> LOCATION: (7)..(8)  
 352 <223> OTHER INFORMATION: any nucleotide  
 355 <400> SEQUENCE: 19  
 W--> 356 gcaatgnn 8  
 359 <210> SEQ ID NO: 20  
 360 <211> LENGTH: 8  
 361 <212> TYPE: DNA  
 362 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/531,556A

DATE: 03/16/2006  
TIME: 11:47:18

Input Set : E:\BOHMAN150Sequence.txt  
Output Set: N:\CRF4\03162006\J531556A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 7,8,9,10,11  
Seq#:2; N Pos. 7,8,9,10,11  
Seq#:3; N Pos. 7,8,9,10,11,12  
Seq#:4; N Pos. 7,8,9,10,11,12,13,14  
Seq#:5; N Pos. 7,8  
Seq#:6; N Pos. 7,8  
Seq#:7; N Pos. 7,8,9,10,11,12  
Seq#:8; N Pos. 7,8,9,10,11  
Seq#:9; N Pos. 7,8,9,10,11,12,13,14,15,16,17  
Seq#:10; N Pos. 7,8,9,10,11,12,13,14,15,16  
Seq#:11; N Pos. 8,9,10,11,12,13,14,15  
Seq#:12; N Pos. 7,8,9,10,11,12,13,14,15,16,17  
Seq#:13; N Pos. 8,9,10,11  
Seq#:14; N Pos. 7,8,9,10  
Seq#:15; N Pos. 7,8,9,10,11  
Seq#:16; N Pos. 7,8,9,10,11  
Seq#:17; N Pos. 7,8,9,10,11,12,13,14  
Seq#:18; N Pos. 7,8,9,10,11,12  
Seq#:19; N Pos. 7,8  
Seq#:20; N Pos. 7,8  
Seq#:21; N Pos. 7,8,9,10,11  
Seq#:22; N Pos. 7,8,9,10,11,12  
Seq#:23; N Pos. 7,8,9,10,11,12,13,14,15,16  
Seq#:24; N Pos. 7,8,9,10,11,12,13,14,15,16,17  
Seq#:25; N Pos. 7,8,9,10,11,12,13,14,15,16,17  
Seq#:26; N Pos. 8,9,10,11,12,13,14,15

## VERIFICATION SUMMARY

DATE: 03/16/2006

PATENT APPLICATION: US/10/531,556A

TIME: 11:47:18

Input Set : E:\BOHMAN150Sequence.txt  
Output Set: N:\CRF4\03162006\J531556A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0